

Claims

We claim:

1. A method for creating a graphical program including a plurality of
5 portions of graphical source code to be executed sequentially, the method comprising:
displaying a plurality of frames in the graphical program such that two or more
frames are visible at the same time;
including a portion of graphical source code in each frame in response to user
input;
10 wherein the plurality of frames define an execution order for the plurality of
portions of graphical source code such that during execution of the graphical program the
plurality of portions of graphical source code are executed sequentially.
2. The method of claim 1,
15 wherein the plurality of frames are displayed in the graphical program such that
each frame is visible at the same time.
3. The method of claim 1, further comprising:
receiving user input indicating a desire to specify a plurality of portions of
20 graphical source code to be executed sequentially;
wherein said displaying the plurality of frames in the graphical program is
performed in response to receiving the user input indicating the desire to specify a
plurality of portions of graphical source code to be executed sequentially.
- 25 4. The method of claim 1,
wherein the plurality of frames are comprised in a sequence structure;
wherein said displaying the plurality of frames in the graphical program is
performed in response to user input indicating a desire to include a sequence structure in
the graphical program.

displaying the second plurality of frames in the first frame such that two or more frames of the second plurality of frames are visible at the same time;

including a portion of graphical source code in each frame of the second plurality of frames in response to user input;

5 wherein the portions of graphical source code included in the frames of the second plurality of frames comprise a second plurality of portions of graphical source code;

 wherein the second plurality of frames define an execution order for the second plurality of portions of graphical source code such that during execution of the
10 first frame in the first plurality of frames, the second plurality of portions of graphical source code are executed sequentially.

13. The method of claim 1,
 wherein the graphical program is a graphical data-flow program.

15 14. A system for creating a graphical program including a plurality of portions of graphical source code to be executed sequentially, the system comprising:

 a processor;

 a memory storing program instructions;

20 wherein the processor is operable to execute the program instructions to:

 display a plurality of frames in the graphical program such that two or more frames are visible at the same time;

 include a portion of graphical source code in each frame in response to user input;

25 wherein the plurality of frames define an execution order for the plurality of portions of graphical source code such that during execution of the graphical program the plurality of portions of graphical source code are executed sequentially.

15. The system of claim 14,

wherein the plurality of frames are displayed in the graphical program such that each frame is visible at the same time.

16. The system of claim 14,

5 wherein the processor is further operable to execute the program instructions to receive user input indicating a desire to specify a plurality of portions of graphical source code to be executed sequentially;

wherein said displaying the plurality of frames in the graphical program is performed in response to receiving the user input indicating the desire to specify a
10 plurality of portions of graphical source code to be executed sequentially.

17. The system of claim 14,

wherein the plurality of frames are comprised in a sequence structure;

wherein said displaying the plurality of frames in the graphical program is
15 performed in response to user input indicating a desire to include a sequence structure in the graphical program.

18. The system of claim 14,

wherein each frame is displayed side by side in a left-to-right order;

20 wherein the plurality of frames define an execution order for the plurality of portions of graphical source code such that during execution of the graphical program the plurality of portions of graphical source code are executed sequentially in the left-to-right order.

25 19. The system of claim 14,

wherein the processor is further operable to execute the graphical program;

wherein said executing the graphical program comprises executing each portion of graphical source code sequentially according to the execution order defined by the plurality of frames.

20. The system of claim 14,
wherein the graphical program is a graphical data-flow program.

5 21. A memory medium for creating a graphical program including a plurality
of portions of graphical source code to be executed sequentially, the memory medium
comprising program instructions executable to:

display a plurality of frames in the graphical program such that two or more
frames are visible at the same time;

10 include a portion of graphical source code in each frame in response to user input;
wherein the plurality of frames define an execution order for the plurality of
portions of graphical source code such that during execution of the graphical program the
plurality of portions of graphical source code are executed sequentially.

15 22. The memory medium of claim 21,
wherein the plurality of frames are displayed in the graphical program such that
each frame is visible at the same time.

20 23. The memory medium of claim 21, further comprising program instructions
executable to:

receive user input indicating a desire to specify a plurality of portions of graphical
source code to be executed sequentially;

25 wherein said displaying the plurality of frames in the graphical program is
performed in response to receiving the user input indicating the desire to specify a
plurality of portions of graphical source code to be executed sequentially.

24. The memory medium of claim 21,
wherein the plurality of frames are comprised in a sequence structure;

wherein said displaying the plurality of frames in the graphical program is performed in response to user input indicating a desire to include a sequence structure in the graphical program.

5 25. The memory medium of claim 21,

wherein each frame is displayed side by side in a left-to-right order;

wherein the plurality of frames define an execution order for the plurality of portions of graphical source code such that during execution of the graphical program the plurality of portions of graphical source code are executed sequentially in the left-to-right
10 order.

26. The memory medium of claim 21,

wherein the graphical program is a graphical data-flow program.

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